-continued

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1-127. (canceled)

- 128. A method of treating cancer in a subject, comprising administering a therapeutically effective amount of an antibody or antigen binding fragment thereof that specifically binds human folate receptor 1 (FOLR1) to the subject, wherein the antibody or antigen binding fragment thereof comprises:
 - (a) a heavy chain CDR1 comprising the amino acid sequence SSFGMH (SEQ ID NO:72); a heavy chain CDR2 comprising the amino acid sequence YISSGSS-TIS (SEQ ID NO:73); and a heavy chain CDR3 comprising the amino acid sequence EAYGSSMEY (SEQ ID NO:74) and
 - (b) a light chain CDR1 comprising the amino acid sequence RASQNINNNLH (SEQ ID NO:69); a light chain CDR2 comprising the amino acid sequence YVSQSVS (SEQ ID NO:70); and a light chain CDR3 comprising the amino acid sequence QQSNSWPHYT (SEQ ID NO:71).

- **129**. The method of claim **128**, wherein the heavy chain CDR2 comprises the amino acid sequence YISSGSSTISY-ADSVKG (SEQ ID NO:85).
- 130. The method of claim 129, wherein the antibody or antigen binding fragment thereof comprises a heavy chain variable domain comprising the amino acid sequence of SEQ ID NO:101 and a light chain variable domain comprising the amino acid sequence of SEQ ID NO:100.
- 131. The method of claim 128 wherein the antibody or antigen binding fragment thereof is a full length antibody.
- 132. The method of claim 128, wherein the antibody or antigen binding fragment thereof is an antigen binding fragment, wherein the antigen binding fragment comprises a Fab, a Fab', a F(ab')2, a single chain Fv (scFv), a disulfide linked Fv, an IgG-CH2, a F(ab')3, a tetrabody, a triabody, a diabody, a (scFv)2, or a scFv-Fc.
- **133**. The method of claim **128**, wherein the antibody binds to human FOLR1 with a Kd of 1.0 nM or better.
- 134. The method of claim 128, wherein the antibody binds to human FOLR1 with a Kd of about 0.06 nM to about 1.0 nM.